



COMMONWEALTH of VIRGINIA

Department of Health
DIVISION OF SHELLFISH SANITATION
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LITTLE CREEK
Growing Area # 068
Shoreline Sanitary Survey
Cities of Norfolk and Virginia Beach

Date: 11 March 2008
Survey Period: August 9-13, 2007
Total Number of Properties Surveyed: 9
Surveyed by: H.R. Barker, Jr. and J.D. Dickerson

SECTION A: GENERAL

This survey area extends from Reference Point 69 at the western jetty of Little Creek Channel entrance to Reference Point 70 at the eastern jetty of Little Creek Channel entrance including Little Creek and all of its tributaries, Desert Cove and Little Creek Cove. The last study of this area was conducted April 4, 1940 by the Norfolk Field Office of the Bureau of Shellfish Sanitation.

The topography of the area is low and flat ranging from 0-10'. The population is dense and all properties are served by Hampton Roads Sanitation District. The portion of the survey area extending south and east of Little Creek Channel to the survey boundary is comprised of the Little Creek Naval Amphibious Base and HRSD Treatment Plant. All properties within the survey boundary are served by HRSD public sewage system. The plant discharge is located offshore of the Naval Amphibious Base however an emergency discharge is located within Little Creek Cove. A high concentration of both recreational and military boating activity exists in Little Creek. Full service marinas are located adjacent to and east of the Route 60 (Shore Drive) Little Creek Bridge while west of the Little Creek Bridge is predominately private residential piers. Several years ago the Little Creek Bridge was replaced by a taller span which allowed larger recreational vessels to access Little Creek west of the bridge. The economy of the area is predominantly based on surrounding industrial, military and tourism activity.

Meteorological data indicated that 0.02" of rain fell from August 9-13, 2007; the length of the survey period.

The current restriction on shellfish harvesting is Condemned Shellfish Area # 068-017, Little Creek, effective 8 March 2005. Copies of Bacteriological, Hydrographic and Shellfish Closure data are available at the area office for review. Copies of the current condemnation notices and maps are available via the Internet at <http://www.vdh.virginia.gov/oehs/shellfish/>.

This report lists only those properties that have a sanitary deficiency or have other environmental significance. "**DIRECT**" indicates that the significant activity or deficiency has a direct impact on shellfish waters. Individual field forms with full information on properties listed in

this report are on file in the Richmond Office of the Division of Shellfish Sanitation and are available for reference until superseded by a subsequent survey of the area. Data in report are also made available to local health departments and other agencies to address items that may be out of compliance with their regulatory programs. Copies of VPDES Permits and inspections are available at the Department of Environmental Quality, Tidewater Regional Office (DEQ/TRO).

SECTION B: SEWAGE POLLUTION SOURCES

SEWAGE TREATMENT FACILITIES

9. **DIRECT** - Hampton Roads Sanitation District, 1436 Air Rail Avenue, Norfolk 23455. Chesapeake-Elizabeth Wastewater Treatment Plant. Treatment consists of band screening, grit removal, activated sludge and secondary sedimentation with final effluent discharging into the Chesapeake Bay via a submerged offshore outfall. Daily capacity is 24 million gallons per day. Has VPDES Discharge Permit # VA0081264 from Department of Environmental Quality/Tidewater Regional Office.

ON-SITE SEWAGE DEFICIENCIES

-None-

SECTION C: NON-SEWAGE WASTE SITES

INDUSTRIAL WASTES

8. **DIRECT** - U.S. Naval Amphibious Base Little Creek, 2600 Tarawa Court, Norfolk 23521. Military Base. Installation contains 21 permitted storm water outfalls associated with industrial activity discharging into Little Creek. Has discharge permit # VA0079928 from Department of Environmental Quality/Tidewater Regional Office.

SOLID WASTE DUMPSITES

-None-

SECTION D: BOATING ACTIVITY

MARINAS

1. Bay Point Marina, 9500 30th Bay Avenue, Norfolk 23518. Commercial marina. No contact. 314 wet slips available. Present at time of most recent marina inspection were 88 boats under 26' and 200 boats over 26'. Services provided include electricity and water. Sanitary facilities provided are 4 commodes, 5 lavatories, 3 showers and 2 urinals for men; and for women there are 6 commodes, 5 lavatories and 3 showers. Sewage disposal is to HRSD. Portable toilet dump station facilities and boat holding tank pump out facilities area available at this location.
2. Little Creek Marina, 4801 Pretty Lake Avenue, Norfolk 23518. Commercial marina. No contact. 130 slips and 225 dry storage spaces available. Present at time of most recent marina inspection were 50 boats under 26' and 100 boats over 26' in wet slips; and in dry storage there were 150 boats under 26' and 50 boats over 26'. Services provided include fuel, water and electricity. Sanitary facilities provided are 3 commodes, 4 lavatories, 2 showers and 2 urinals for men; and for women there are 5 commodes, 4 lavatories and 2 showers. Sewage disposal is to HRSD. Portable toilet dump station facilities and boat holding tank pump out facilities area available at this location.

3. Cutty Sark Marina Inc., 4707 Pretty Lake Avenue, Norfolk 23518. Commercial marina. No contact. 98 wet slips available. Present at time of most recent marina inspection were 50 boats under 26' and 35 boats over 26'. Services provided include electricity, water, fuel, boat lift and repairs. Sanitary facilities provided are 2 commodes, 3 lavatories, 1 shower and 1 urinal for men; and for women there are 3 commodes, 2 lavatories and 1 showers. Sewage disposal is to HRSD. Portable toilet dump station facilities and boat holding tank pump out facilities area available at this location.
4. East Beach Marina, 4521 Pretty Lake Avenue, Norfolk 23518. Commercial marina and boat sales. No contact. 119 slips available. Present at time of most recent marina inspection were 15 boats under 26' and 75 boats over 26'. No boating services are provided. No sanitary facilities, no portable toilet dump station facilities and no boat holding tank pump out facilities are available at this location.
5. Pelican's Nest Marina, 4401 Pretty Lake Avenue, Norfolk 23518. Commercial marina. No contact. 55 slips available. Present at time of most recent marina inspection were 8 boats under 26' and 40 boats over 26' in wet slips; and in dry storage there were 5 boats under 26' and 5 boats over 26'. Boating services provided include fuel, electricity and water. Sanitary facilities provided are 1 commode, 1 lavatory, 1 shower and 1 urinal for men; and for women there are 2 commodes, 1 lavatory and 1 shower. Sewage disposal is to HRSD. No portable toilet dump station facilities or boat holding tank pump out facilities are available at this location.
6. Taylor's Landing Marina, 8166 Shore Drive, Norfolk 23518. Commercial marina. No contact. 230 wet slips and 460 dry storage spaces available. Present at time of most recent marina inspection were 73 boats under 26' and 120 boats over 26' in wet slips; and in dry storage there were 200 boats under 26' and 75 boats over 26'. Boating services provided include fuel, electricity and water. Sanitary facilities provided are 5 commodes, 5 lavatories, 2 showers and 3 urinals for men; and for women there are 7 commodes, 5 lavatories and 2 showers. Sewage disposal is to HRSD. Portable toilet dump station facilities and boat holding tank pump out facilities area available at this location.
7. Cobb's Marina, 4524 Dunning Road, Norfolk 23518. Commercial marina and boat repair yard. No contact. 115 wet slips and 51 dry storage spaces available. Present at time of most recent marina inspection were 37 boats under 26' and 38 boats over 26' in wet slips; and in dry storage there were 12 boats under 26' and 39 boats over 26'. Boating services provided include ramp, electricity, water and repairs. Sanitary facilities provided are 3 commodes, 3 lavatories, 1 shower and 1 urinal for men; and for women there are 4 commodes, 3 lavatories and 1 shower. Sewage disposal is to HRSD. Portable toilet dump station facilities and boat holding tank pump out facilities area available at this location.
8. Little Creek Cove Marina (Naval Amphibious Base), 1516 Okinawa Road, Norfolk 23521. Base marina for use by active duty military. No contact. 201 wet slips and 370 dry storage spaces available. Present at time of most recent marina inspection were 56 boats under 26' and 100 boats over 26' in wet slips. Boating services provided include ramp, electricity, water and fuel. Sanitary facilities provided are 4 commodes, 3 lavatories, 2 showers and 3 urinals for men; and for women there are 4 commodes, 3 lavatories and 2 showers. Sewage disposal is to HRSD. Portable toilet dump station facilities and boat holding tank pump out facilities area available at this location.

SECTION E: CONTRIBUTES ANIMAL POLLUTION

-None-

SUMMARY

Area # 068
Little Creek
11 March 2008

SECTION B: SEWAGE POLLUTION SOURCES

1. SEWAGE TREATMENT FACILITIES

1 – DIRECT – # 9
0 – INDIRECT – None
1 – B.1. TOTAL

2. ON-SITE SEWAGE DEFICIENCIES – Correction of the deficiencies in this section is the responsibility of the local health department.

0 – CONTRIBUTES POLLUTION, DIRECT – None
0 – CONTRIBUTES POLLUTION, INDIRECT – None
0 – CP (Kitchen or Laundry Wastes), Direct – None
0 – CP (Kitchen or Laundry Wastes), Indirect – None
0 – NO FACILITIES, DIRECT – None
0 – NO FACILITIES, INDIRECT – None
0 – B.2. TOTAL

3. POTENTIAL POLLUTION – Periodic surveillance of these properties will be maintained to determine any status change.

0 – POTENTIAL POLLUTION – None

SECTION C: NON-SEWAGE WASTE SITES

1. INDUSTRIAL WASTE SITES

1 – DIRECT – # 8
0 – INDIRECT – None
1 – C.1. TOTAL

2. SOLID WASTE DUMPSITES

0 – DIRECT – None
0 – INDIRECT – None
0 – C.2. TOTAL

SECTION D: BOATING ACTIVITY

8 – MARINAS – # 1, 2, 3, 4, 5, 6, 7, 8
0 – OTHER PLACES WHERE BOATS ARE MOORED – None
0 – UNDER SURVEILLANCE – None
8 – D. TOTAL

SECTION E: CONTRIBUTES ANIMAL POLLUTION

0 – DIRECT – None
0 – INDIRECT – None
0 – E. TOTAL

Virginia Department of Health
Division of Shellfish Sanitation

Little Creek
068
Shoreline Sanitary Survey

Cities of Norfolk & Virginia Beach

Date: 11 March 2008
Survey By: H.R. Barker, Jr. & J.D. Dickerson
Number of Properties Surveyed: 9



0 0.2 0.4 0.8
Miles

- Legend**
- Sampling Station - New
 - Sampling Station - Historical
 - Sewered areas
 - DGIF Boat Ramps
- Shoreline Survey Deficiencies**
- Sewage Treatment Facility - Direct
 - Sewage Treatment Facility - Indirect
 - Contributes Pollution - Direct
 - Contributes Pollution - Indirect
 - Contributes Pollution (Kitchen or Laundry wastes) - Direct
 - Contributes Pollution (Kitchen or Laundry wastes) - Indirect
 - No Facilities - Direct
 - No Facilities - Indirect
 - Potential Pollution
 - Industrial Wastes, Direct
 - Industrial Wastes, Indirect
 - Solid Waste Dumpsite - Direct
 - Solid Waste Dumpsite - Indirect
 - Boating Activity
 - Contributes Animal Pollution - Direct
 - Contributes Animal Pollution - Indirect

Geographic coordinates in NAD83 datum:
shown in degrees, minutes & seconds